

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0443	
Compound name	NBQX disodium salt	
Chemical name	2,3-Dioxo-6-nitro-1,2,3,4-tetrahydrobenzo[f]quinoxaline-7-sulfonamide disodium salt	
Batch number	E1559-5-1	
Batch molecular formula	C ₁₂ H ₆ N ₄ O ₆ SNa ₂ ·2.5H ₂ O	
Batch molecular weight	425.28	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.6%
NMR	¹ H NMR in D ₂ O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray negative analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	Orange to brown solid	Meets specification: Brown solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

15-07-21

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.